Refine Search

Search Results -

Terms	Documents
L14 and (extract$3 near (data or sentence) near similar$5)	0

Database:
```
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins
```

Search: L15

[Refine Search]

[Recall Text ⬍]   [Clear]   [Interrupt]

Search History

DATE: Friday, April 01, 2005   Printable Copy   Create Case

Set Name	Query	Hit Count	Set Name
side by side			result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L15	L14 and (extract$3 near (data or sentence) near similar$5)	0	L15
L14	L13 and retriev$3	17	L14
L13	L10 and (question same sentence same similar$5)	18	L13
L12	L10 and (question same sentence same similar$)	18	L12
L11	L10 and (question near sentence)	2	L11
L10	(L8 or L9) and L1	140	L10
L9	704/$.ccls.	18586	L9
L8	707/$.ccls.	25933	L8
L7	L6 and (categoriz$6 or categoris$6)	2	L7
L6	L1 and (question near sentence)	10	L6
L5	L4 and retriev$3	23	L5
L4	L2 and (categoriz$6 or categoris$6)	30	L4
L3	L2 and (categoriz$3 or categoris$3)	26	L3
L2	L1 and (question same sentence)	89	L2

L1   topic same question same answer   690   L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
(L16 or L17) and L6	1

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L18

[Refine Search]

[Recall Text ⬍]   [Clear]   [Interrupt]

Search History

DATE: Friday, April 01, 2005   Printable Copy   Create Case

Set Name	Query	Hit Count	Set Name
side by side			result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L18	(L16 or L17) and L6	1	L18
L17	704/10.ccls.	321	L17
L16	704/9.ccls.	860	L16
L15	L14 and (extract$3 near (data or sentence) near similar$5)	0	L15
L14	L13 and retriev$3	17	L14
L13	L10 and (question same sentence same similar$5)	18	L13
L12	L10 and (question same sentence same similar$)	18	L12
L11	L10 and (question near sentence)	2	L11
L10	(L8 or L9) and L1	140	L10
L9	704/$.ccls.	18586	L9
L8	707/$.ccls.	25933	L8
L7	L6 and (categoriz$6 or categoris$6)	2	L7
L6	L1 and (question near sentence)	10	L6
L5	L4 and retriev$3	23	L5

L4	L2 and (categoriz$6 or categoris$6)	30	L4
L3	L2 and (categoriz$3 or categoris$3)	26	L3
L2	L1 and (question same sentence)	89	L2
L1	topic same question same answer	690	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L21 not L18	1

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L22

[Refine Search]

[Recall Text ⬍]   [Clear]   [Interrupt]

Search History

DATE: Friday, April 01, 2005   Printable Copy   Create Case

Set Name	Query	Hit Count	Set Name
side by side			result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L22	L21 not L18	1	L22
L21	(L19 or L20) and (extract$3 near (data or sentence) near similar$5)	1	L21
L20	"question sentence"	336	L20
L19	"question sentence retrieval"	6	L19
L18	(L16 or L17) and L6	1	L18
L17	704/10.ccls.	321	L17
L16	704/9.ccls.	860	L16
L15	L14 and (extract$3 near (data or sentence) near similar$5)	0	L15
L14	L13 and retriev$3	17	L14
L13	L10 and (question same sentence same similar$5)	18	L13
L12	L10 and (question same sentence same similar$)	18	L12
L11	L10 and (question near sentence)	2	L11
L10	(L8 or L9) and L1	140	L10
L9	704/$.ccls.	18586	L9

L8	707/$.ccls.	25933	L8
L7	L6 and (categoriz$6 or categoris$6)	2	L7
L6	L1 and (question near sentence)	10	L6
L5	L4 and retriev$3	23	L5
L4	L2 and (categoriz$6 or categoris$6)	30	L4
L3	L2 and (categoriz$3 or categoris$3)	26	L3
L2	L1 and (question same sentence)	89	L2
L1	topic same question same answer	690	L1

END OF SEARCH HISTORY

Hit List

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1.   Document ID: US 20020147716 A1

Using default format because multiple data bases are involved.

```
    L21: Entry 1 of 1                           File: PGPB              Oct 10, 2002


PGPUB-DOCUMENT-NUMBER: 20020147716
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020147716 A1

TITLE: Retrieval apparatus, retrieval method and retrieval program

PUBLICATION-DATE: October 10, 2002

INVENTOR-INFORMATION:
NAME                    CITY            STATE       COUNTRY         RULE-47
Namba, Isao             Kawasaki                    JP

US-CL-CURRENT: 707/5
```

Terms	Documents
(L19 or L20) and (extract$3 near (data or sentence) near similar$5)	1

Display Format: |- | Change Format

Refine Search

Search Results -

Terms	Documents
L24 and (extract$3 near (data or sentence) near similar$5)	0

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L25

[Refine Search]

[Recall Text] [Clear] [Interrupt]

Search History

DATE: Friday, April 01, 2005   Printable Copy   Create Case

Set Name	Query	Hit Count	Set Name
side by side			result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L25	L24 and (extract$3 near (data or sentence) near similar$5)	0	L25
L24	L23 and L2	10	L24
L23	715/$.ccls.	20969	L23
L22	L21 not L18	1	L22
L21	(L19 or L20) and (extract$3 near (data or sentence) near similar$5)	1	L21
L20	"question sentence"	336	L20
L19	"question sentence retrieval"	6	L19
L18	(L16 or L17) and L6	1	L18
L17	704/10.ccls.	321	L17
L16	704/9.ccls.	860	L16
L15	L14 and (extract$3 near (data or sentence) near similar$5)	0	L15
L14	L13 and retriev$3	17	L14
L13	L10 and (question same sentence same similar$5)	18	L13
L12	L10 and (question same sentence same similar$)	18	L12

L11	L10 and (question near sentence)	2	L11
L10	(L8 or L9) and L1	140	L10
L9	704/$.ccls.	18586	L9
L8	707/$.ccls.	25933	L8
L7	L6 and (categoriz$6 or categoris$6)	2	L7
L6	L1 and (question near sentence)	10	L6
L5	L4 and retriev$3	23	L5
L4	L2 and (categoriz$6 or categoris$6)	30	L4
L3	L2 and (categoriz$3 or categoris$3)	26	L3
L2	L1 and (question same sentence)	89	L2
L1	topic same question same answer	690	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L26 and (extract$3 near (data or sentence) near similar$5)	0

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L27

[Refine Search]

[Recall Text] [Clear] [Interrupt]

Search History

DATE: **Friday, April 01, 2005**   Printable Copy   Create Case

Set Name Query	Hit Count	Set Name
side by side		result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L27 L26 and (extract$3 near (data or sentence) near similar$5)	0	L27
L26 715/530-534.ccls.	2218	L26
L25 L24 and (extract$3 near (data or sentence) near similar$5)	0	L25
L24 L23 and L2	10	L24
L23 715/$.ccls.	20969	L23
L22 L21 not L18	1	L22
L21 (L19 or L20) and (extract$3 near (data or sentence) near similar$5)	1	L21
L20 "question sentence"	336	L20
L19 "question sentence retrieval"	6	L19
L18 (L16 or L17) and L6	1	L18
L17 704/10.ccls.	321	L17
L16 704/9.ccls.	860	L16
L15 L14 and (extract$3 near (data or sentence) near similar$5)	0	L15
L14 L13 and retriev$3	17	L14

L13	L10 and (question same sentence same similar$5)	18	L13
L12	L10 and (question same sentence same similar$)	18	L12
L11	L10 and (question near sentence)	2	L11
L10	(L8 or L9) and L1	140	L10
L9	704/$.ccls.	18586	L9
L8	707/$.ccls.	25933	L8
L7	L6 and (categoriz$6 or categoris$6)	2	L7
L6	L1 and (question near sentence)	10	L6
L5	L4 and retriev$3	23	L5
L4	L2 and (categoriz$6 or categoris$6)	30	L4
L3	L2 and (categoriz$3 or categoris$3)	26	L3
L2	L1 and (question same sentence)	89	L2
L1	topic same question same answer	690	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L29 and (question near sentence)	0

Database:
```
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins
```

Search: L30

Refine Search

Recall Text ⬍   Clear   Interrupt

Search History

DATE: Friday, April 01, 2005   Printable Copy   Create Case

Set Name	Query	Hit Count	Set Name
side by side			result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L30	L29 and (question near sentence)	0	L30
L29	L28 and (degree near calculat$4)	2	L29
L28	L1 and calculat$4	284	L28
L27	L26 and (extract$3 near (data or sentence) near similar$5)	0	L27
L26	715/530-534.ccls.	2218	L26
L25	L24 and (extract$3 near (data or sentence) near similar$5)	0	L25
L24	L23 and L2	10	L24
L23	715/$.ccls.	20969	L23
L22	L21 not L18	1	L22
L21	(L19 or L20) and (extract$3 near (data or sentence) near similar$5)	1	L21
L20	"question sentence"	336	L20
L19	"question sentence retrieval"	6	L19
L18	(L16 or L17) and L6	1	L18
L17	704/10.ccls.	321	L17

L16	704/9.ccls.	860	L16
L15	L14 and (extract$3 near (data or sentence) near similar$5)	0	L15
L14	L13 and retriev$3	17	L14
L13	L10 and (question same sentence same similar$5)	18	L13
L12	L10 and (question same sentence same similar$)	18	L12
L11	L10 and (question near sentence)	2	L11
L10	(L8 or L9) and L1	140	L10
L9	704/$.ccls.	18586	L9
L8	707/$.ccls.	25933	L8
L7	L6 and (categoriz$6 or categoris$6)	2	L7
L6	L1 and (question near sentence)	10	L6
L5	L4 and retriev$3	23	L5
L4	L2 and (categoriz$6 or categoris$6)	30	L4
L3	L2 and (categoriz$3 or categoris$3)	26	L3
L2	L1 and (question same sentence)	89	L2
L1	topic same question same answer	690	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L8 and (question near sentence)	1

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L9

[Refine Search]

[Recall Text]   [Clear]   [Interrupt]

Search History

DATE: Saturday, April 02, 2005   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L9	L8 and (question near sentence)	1	L9
L8	(L5 or L6 or L7) and L3	8	L8
L7	704/10.ccls.	321	L7
L6	704/9.ccls.	860	L6
L5	704/7.ccls.	351	L5
L4	L3 and (question near sentence)	3	L4
L3	L1 and (extract$3 same similar$5)	61	L3
L2	L1 and (extract$3 same similar$)	61	L2
L1	topic same question same answer	690	L1

END OF SEARCH HISTORY

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"question sentence input" + "retrieval sentence" + similarity + [SEARCH]

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Terms used **question sentence input** **retrieval sentence** **similarity** **calculating degree** **contribution** **corresponding word** **calculating difference** **ratio** **extracting data**

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1 Correlating summarization of multi-source news with k-way graph bi-clustering ☐
Ya Zhang, Chao-Hsien Chu, Xiang Ji, Hongyuan Zha
December 2004 **ACM SIGKDD Explorations Newsletter**, Volume 6 Issue 2

Full text available: 📄 pdf(166.54 KB)   Additional Information: full citation, abstract, references

With the emergence of enormous amount of online news, it is desirable to construct text mining methods that can extract, compare and highlight similarities of them. In this paper, we explore the research issue and methodology of correlated summarization for a pair of news articles. The algorithm aligns the (sub)topics of the two news articles and summarizes their correlation by sentence extraction. A pair of news articles are modelled with a weighted bipartite graph. A mutual reinforcement princ ...

Keywords: biclustering, bipartite graph, correlated summarization, news summarization

2 Data integration using similarity joins and a word-based information representation language ☐
William W. Cohen
July 2000 **ACM Transactions on Information Systems (TOIS)**, Volume 18 Issue 3

Full text available: 📄 pdf(312.80 KB)   Additional Information: full citation, abstract, references, citings, index terms, review

The integration of distributed, heterogeneous databases, such as those available on the World Wide Web, poses many problems. Herer we consider the problem of integrating data from sources that lack common object identifiers. A solution to this problem is proposed for databases that contain informal, natural-language "names" for objects; most Web-based databases satisfy this requirement, since they usually present their information to the end-user through a veneer of text. We des ...

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Terms used **question sentence input retrieval sentence similarity calculating degree contribution**

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Relevance scale ☐ ⬜ ▨ ■ ■

1 Natural language processing: Sentence completion   ☐
Korinna Grabski, Tobias Scheffer
July 2004   **Proceedings of the 27th annual international conference on Research and development in information retrieval**
Full text available: 📄 pdf(181.97 KB)   Additional Information: full citation, abstract, references, index terms

We discuss a retrieval model in which the task is to complete a sentence, given an initial fragment, and given an application specific document collection. This model is motivated by administrative and call center environments, in which users have to write documents with a certain repetitiveness. We formulate the problem setting and discuss appropriate performance metrics. We present an index-based retrieval algorithm and a cluster-based approach, and evaluate our algorithms using collections of ...

Keywords: applications, indexing methods, retrieval models

2 Content-based retrieval: VideoQA: question answering on news video   ☐
Hui Yang, Lekha Chaisorn, Yunlong Zhao, Shi-Yong Neo, Tat-Seng Chua
November 2003 **Proceedings of the eleventh ACM international conference on Multimedia**
Full text available: 📄 pdf(592.26 KB)   Additional Information: full citation, abstract, references, index terms

When querying a news video archive, the users are interested in retrieving precise answers in the form of a summary that best answers the query. However, current video retrieval systems, including the search engines on the web, are designed to retrieve documents instead of precise answers. This research explores the use of question answering (QA) techniques to support personalized news video retrieval. Users interact with our system, VideoQA, using short natural language questions with implicit ...

Keywords: transcript error correction, video question answering, video retrieval, video summarization

3 Correlating summarization of multi-source news with k-way graph bi-clustering   ☐
Ya Zhang, Chao-Hsien Chu, Xiang Ji, Hongyuan Zha
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Keywords: biclustering, bipartite graph, correlated summarization, news summarization

4 A text input front-end processor as an information access platform

Shinichi Doi, Shin-ichiro Kamei, Kiyoshi Yamabana
August 1998

Full text available: pdf(648.02 KB)
Additional Information: full citation, abstract, references
Publisher Site

This paper presents a practical foreign language writing support tool which makes it much easier to utilize dictionary and example sentence resources. Like a Kana-Kanji conversion front-end processor used to input Japanese language text, this tool is also implemented as a front-end processor and can be combined with a wide variety of applications. A morphological analyzer automatically extracts key words from text as it is being input into the tool, and these words are used to locate information ...

5 A workbench for finding structure in texts

Andrei Mikheev, Steven Finch
March 1997 **Proceedings of the fifth conference on Applied natural language processing**

Full text available: pdf(783.10 KB)
Additional Information: full citation, abstract, references
Publisher Site

In this paper we report on a set of computational tools with (n)SGML pipeline data flow for uncovering internal structure in natural language texts. The main idea behind the workbench is the independence of the text representation and text analysis phases. At the representation phase the text is converted from a sequence of characters to features of interest by means of the annotation tools. At the analysis phase those features are used by statistics gathering and inference tools for finding sig ...

6 Summarizing text documents: sentence selection and evaluation metrics

Jade Goldstein, Mark Kantrowitz, Vibhu Mittal, Jaime Carbonell
August 1999 **Proceedings of the 22nd annual international ACM SIGIR conference on Research and development in information retrieval**

Full text available: pdf(273.01 KB)
Additional Information: full citation, references, citings, index terms

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"question input" + "retrieval sentence" + similarity + "calculati   SEARCH

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Terms used **question input retrieval sentence similarity calculating degree contribution**

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Full text available: 📄 pdf(592.26 KB)   Additional Information: full citation, abstract, references, index terms

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Keywords: biclustering, bipartite graph, correlated summarization, news summarization

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August 1998

Full text available: pdf(648.02 KB)
Publisher Site

Additional Information: full citation, abstract, references

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Andrei Mikheev, Steven Finch
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Full text available: pdf(783.10 KB)
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6 Posters: Evaluating retrieval performance for Japanese question answering: what are best passages?

Tetsuya Sakai, Tomoharu Kokubu
July 2003 **Proceedings of the 26th annual international ACM SIGIR conference on Research and development in informaion retrieval**

Full text available: pdf(31.58 KB)   Additional Information: full citation, references, index terms

Keywords: passage retrieval, question answering

7 Improving problem-oriented mailing list archives with MCS

Robert S. Brewer
June 2000 **Proceedings of the 22nd international conference on Software engineering**

Full text available: pdf(120.93 KB)   Additional Information: full citation, abstract, references, index terms

Developers often use electronic mailing lists when seeking assistance with a particular software application. The archives of these mailing lists provide a rich repository of problem-

solving knowledge. Developers seeking a quick answer to a problem find these archives inconvenient, because they lack efficient searching mechanisms, and retain the structure of the original conversational threads which are rarely relevant to the knowledge seeker.We present a system called MCS which ...

Keywords: archives, collective memory, knowledge condensation, mailing lists

8 Summarizing text documents: sentence selection and evaluation metrics
Jade Goldstein, Mark Kantrowitz, Vibhu Mittal, Jaime Carbonell
August 1999 **Proceedings of the 22nd annual international ACM SIGIR conference on Research and development in information retrieval**
Full text available: pdf(273.01 KB)   Additional Information: full citation, references, citings, index terms

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"question sentence input" + "retrieval sentence" + similarity +

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Terms used **question sentence input retrieval sentence similarity calculating degree contribution calculating difference ratio**

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Korinna Grabski, Tobias Scheffer
July 2004   **Proceedings of the 27th annual international conference on Research and development in information retrieval**
Full text available: 📄 pdf(181.97 KB)   Additional Information: full citation, abstract, references, index terms

We discuss a retrieval model in which the task is to complete a sentence, given an initial fragment, and given an application specific document collection. This model is motivated by administrative and call center environments, in which users have to write documents with a certain repetitiveness. We formulate the problem setting and discuss appropriate performance metrics. We present an index-based retrieval algorithm and a cluster-based approach, and evaluate our algorithms using collections of ...

Keywords: applications, indexing methods, retrieval models

2 Content-based retrieval: VideoQA: question answering on news video   ☐
Hui Yang, Lekha Chaisorn, Yunlong Zhao, Shi-Yong Neo, Tat-Seng Chua
November 2003 **Proceedings of the eleventh ACM international conference on Multimedia**
Full text available: 📄 pdf(592.26 KB)   Additional Information: full citation, abstract, references, index terms

When querying a news video archive, the users are interested in retrieving precise answers in the form of a summary that best answers the query. However, current video retrieval systems, including the search engines on the web, are designed to retrieve documents instead of precise answers. This research explores the use of question answering (QA) techniques to support personalized news video retrieval. Users interact with our system, VideoQA, using short natural language questions with implicit ...

Keywords: transcript error correction, video question answering, video retrieval, video summarization

3 Correlating summarization of multi-source news with k-way graph bi-clustering   ☐
Ya Zhang, Chao-Hsien Chu, Xiang Ji, Hongyuan Zha
December 2004 **ACM SIGKDD Explorations Newsletter**, Volume 6 Issue 2

Full text available: pdf(166.54 KB)   Additional Information: full citation, abstract, references

With the emergence of enormous amount of online news, it is desirable to construct text mining methods that can extract, compare and highlight similarities of them. In this paper, we explore the research issue and methodology of correlated summarization for a pair of news articles. The algorithm aligns the (sub)topics of the two news articles and summarizes their correlation by sentence extraction. A pair of news articles are modelled with a weighted bipartite graph. A mutual reinforcement princ ...

Keywords: biclustering, bipartite graph, correlated summarization, news summarization

4 A text input front-end processor as an information access platform
Shinichi Doi, Shin-ichiro Kamei, Kiyoshi Yamabana
August 1998

Full text available: pdf(648.02 KB)
Publisher Site   Additional Information: full citation, abstract, references

This paper presents a practical foreign language writing support tool which makes it much easier to utilize dictionary and example sentence resources. Like a Kana-Kanji conversion front-end processor used to input Japanese language text, this tool is also implemented as a front-end processor and can be combined with a wide variety of applications. A morphological analyzer automatically extracts key words from text as it is being input into the tool, and these words are used to locate information ...

5 A workbench for finding structure in texts
Andrei Mikheev, Steven Finch
March 1997 **Proceedings of the fifth conference on Applied natural language processing**

Full text available: pdf(783.10 KB)
Publisher Site   Additional Information: full citation, abstract, references

In this paper we report on a set of computational tools with (n)SGML pipeline data flow for uncovering internal structure in natural language texts. The main idea behind the workbench is the independence of the text representation and text analysis phases. At the representation phase the text is converted from a sequence of characters to features of interest by means of the annotation tools. At the analysis phase those features are used by statistics gathering and inference tools for finding sig ...

6 Summarizing text documents: sentence selection and evaluation metrics
Jade Goldstein, Mark Kantrowitz, Vibhu Mittal, Jaime Carbonell
August 1999 **Proceedings of the 22nd annual international ACM SIGIR conference on Research and development in information retrieval**
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